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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/599,577	10/02/2006	Gerit Erbeck	033171-134	1989

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EXAMINER

PEDDER, DENNIS H

ART UNIT	PAPER NUMBER
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3612

NOTIFICATION DATE	DELIVERY MODE
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07/21/2008

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/599,577	Applicant(s) ERBECK ET AL.	
	Examiner Dennis H. Pedder	Art Unit 3612	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 4/08, 6/08.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on 02 October 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

3. Claims 21, 2-4, 8-20, 22-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bienert et al. in view of applicant's admitted prior art .

4. Bienert et al. have cement/shatterproof element 6, cemented to the pane. As applicant points out, the Bienert et al. reference lacks detail as to whether the element 6 is adhesive on the lower side to thereby cement the frame member 7 to the pane 5. The part 7 is, however, both a reinforcing and retaining element.

5. Applicant admits on page 5 that "the material of the cement layer (14) acting as a shatterproofing element is ethylene/methacrylic acid copolymers. This material is sold under the trademark "SENTRYGLASS PLUS" from DuPont, Wilmington, USA. It is an ionomer

Art Unit: 3612

material.” In view of this admission, it is understood that applicant is using a commercially available material for its known properties to replace a previously known material with lesser properties, i.e. lacking a lower surface of adhesive, and therefore such a substitution is not a patentable distinction, but rather merely common sense to further bond the element 7 of Bienert et al. to the pane, thereby increasing securement.

6. It would have been obvious to one of ordinary skill to provide in Bienert et al. the commercially available material as admitted by applicant in order to improve assembly of the device of Bienert et al.

7. Claims 2-4, 9-11 and 13 are self-evident from the Bienert et al. reference.

8. An edge seal, claim 12, use of an attachment part for connection to a positioning mechanism, claim 14, adhering a roof panel edge to a roof frame, claim 15, frit to cover edge connections, claim 16, are all deemed to be of common knowledge in this art, and obvious to use here for their intended purposes. The strength of an adhesive and its elasticity are deemed to be an obvious expedient to one of ordinary skill in the art.

As applicant has not challenged this statement of judicial notice, it is made final.

9. As to claims 18, 22, while the value of tear strength is not given in MJ/m³, a commercially available material, as applicant is using, is deemed to have the properties listed.

10. As to claims 19-20, 23-24, the values now provided regarding the applicant's admitted prior art are above those claimed.

11. Claims 5-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bienert et al. in view of applicant's admitted prior art as applied to claim 21 above and further in view of either Bolton et al. reference.

Art Unit: 3612

12. Bolton et al., prior to the invention of applicant, also teach the use of an ionomer adhesive layer laminated to a glass to form a safety glass as does that of applicant's admitted prior art.

13. It would have been obvious to one of ordinary skill to provide in Bienert et al. an ionomer adhesive layer as taught by Bolton et al., with a cover film, (see figure 2 of Bolton et al.) in order to form the safety glass with a known material for that purpose. Not applying the cover film to the adhesive joint of member 7 and 6 is merely common sense as to do so would destroy any adhesive connection.

14. As to claim 6, scratchproof and tinted films are of common knowledge in the art with self-evident benefits and thus not patentable distinctions..

15. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bienert et al. in view of applicant's admitted prior art and either Bolton et al. reference as applied to claim 6 above, and further in view of either Choussade et al. or Gourio.

16. It would have been obvious to one of ordinary skill to provide in the references above a cover film of PET, as taught by Choussade et al. or PC, as taught by Gourio in order to provide protection for the laminate.

Response to Arguments

17. Applicant's arguments with respect to claims above have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis H. Pedder whose telephone number is (571) 272-6667.

The examiner can normally be reached on 5:30-2:00.

Art Unit: 3612

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn D. Dayoan can be reached on (571) 272-6659. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dennis H. Pedder/
Primary Examiner, Art Unit 3612

Dennis H. Pedder
Primary Examiner
Art Unit 3612

DHP
7/16/2008